Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Withdrawn) An isolated and purified polypeptide comprising an enzyme activity, wherein the enzyme activity asymmetrically reduces N-benzyl-3-pyrrolidinone to produce (S)-N-benzyl-3-pyrrolidinol with NADPH as a coenzyme, wherein the enzyme activity has an optimum action pH of 4.5 to 5.5, an optimum action temperature of 40°C to 45°C and, a molecular weight of about 29,000 daltons as determined by gel filtration analysis and about 35,000 daltons as determined by SDS-polyacrylamide gel electrophoresis analysis, and wherein the enzyme activity is inhibited by divalent copper ion.

2. (Withdrawn) An isolated and purified polypeptide comprising:

(a) SEQ ID NO: 1; or

(b) an amino acid sequence derived from SEQ ID NO: 1 by substitution, insertion, deletion and/or addition of one or more amino acids, wherein the polypeptide possesses an enzyme activity comprising asymmetrically reducing N-benzyl-3-pyrrolidinone to produce (S)-N-benzyl-3-pyrrolidinol.

3. (Withdrawn) The polypeptide of claim 1, wherein the polypeptide is derived from a microorganism belonging to the genus *Micrococcus*.

4. (Withdrawn) The polypeptide of claim 3, wherein the microorganism is the strain *Micrococcus luteus* IFO 13867.

5. (Previously Presented) An isolated and purified DNA molecule coding for a polypeptide comprising SEQ ID NO: 1.

6. (Currently Amended) An isolated and purified DNA molecule coding for a polypeptide wherein the polypeptide comprises an enzyme activity comprising asymmetrically reducing N-benzyl-3-pyrrolidinone into ~~to produce~~ (S)-N-benzyl-3-

pyrrolidinol, and wherein the DNA molecule hybridizes to a nucleotide sequence of SEQ ID NO: 2 under stringent conditions at 65°C in the presence of 0.7 to 1.0 M NaCl.

7. (Cancelled)

8. (Previously Presented) An expression vector comprising the isolated DNA molecule of claim 5.

9. (Previously Presented) The expression vector of claim 8, wherein the vector is a plasmid pTSBH.

10. (Previously Presented) The expression vector of claim 8, which further comprises an isolated DNA molecule coding for a polypeptide having glucose dehydrogenase activity.

11. (Previously Presented) The expression vector of claim 10, wherein the polypeptide having glucose dehydrogenase activity is a *Bacillus megaterium*-derived glucose dehydrogenase.

12. (Previously Presented) The expression vector of claim 11, wherein the vector is a plasmid pTSBG1.

13. (Previously Presented) A transformant comprising the expression vector of claim 8.

14. (Previously Presented) A transformant containing both the expression vector of claim 8 and an expression vector containing a DNA molecule coding for a polypeptide having glucose dehydrogenase activity.

15. (Previously Presented) The transformant of claim 14, wherein the polypeptide having glucose dehydrogenase activity is a *Bacillus megaterium*-derived glucose dehydrogenase.

16. (Previously Presented) The transformant of claim 13, wherein a host thereof is *Escherichia coli*.

17. (Currently Amended) The transformant of claim 16, wherein the transformant is *Escherichia coli* HB101 (pTSBH) obtained by transforming *Escherichia coli* using the recombinant plasmid pTSBH.

18. (Currently Amended) ~~The transformant of claim 16~~ A transformant, wherein the transformant is *Escherichia coli* HB101 (pTSBG1) obtained by transforming *Escherichia coli* HB101 using the recombinant plasmid pTSBG1.

19. (Currently Amended) The transformant of claim [[16]] 14, wherein the transformant is *Escherichia coli* HB101 (pTSBH, pSTVG) obtained by transforming *Escherichia coli* HB101 using both the recombinant plasmid pTSBH and the recombinant plasmid pSTVG.

20. (Withdrawn) A method of producing (S)-N-benzyl-3-pyrrolidinol comprising:

a) reacting the transformant of claim 13 and/or a treated product thereof with N-benzyl-3-pyrrolidinone, and

b) harvesting the (S)-N-benzyl-3-pyrrolidinol produced in a).

21. (Withdrawn) The method of claim 20, wherein the step of reacting is carried out in the presence of a coenzyme regenerating system.

22. (Previously Presented) An expression vector comprising the isolated DNA-molecule of claim 6.

23. (Cancelled)